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PQBP-1 (m): 293T Lysate: sc-122739

BACKGROUND

Polyglutamine(Q) tract binding protein-1 (PQBP-1) is a transcription repressor that associates with polyglutamine tract-containing transcription regulators and causative genes for neurodegenerative disorders. Hepta- and di-amino acid repeat sequences rich in polar residues are essential for PQBP-1 to interact with polyglutamine tract-containing proteins (i.e. huntingtin, androgen receptor and brain-2). PQBP-1 contains a WWP/WW domain that binds proline-rich motifs and a C2 domain that can influence Ca²⁺-dependent phospholipid signaling. PQBP-1 localizes to the nucleus and is present in neurons throughout the brain, with abundant levels in hippocampus, cerebellar cortex and olfactory bulb. The human PQBP-1 gene maps to chromosome Xp11.23.

REFERENCES

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- LocusLink Report (LocusID: 10084). <http://www.ncbi.nlm.nih.gov/LocusLink/>

CHROMOSOMAL LOCATION

Genetic locus: Pqbp1 (mouse) mapping to X A1.1.

PRODUCT

PQBP-1 (m): 293T Lysate represents a lysate of mouse PQBP-1 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

APPLICATIONS

PQBP-1 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive PQBP-1 antibodies. Recommended use: 10-20 µl per lane.

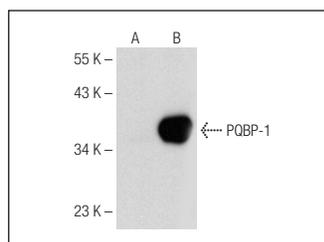
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

PQBP-1 (B-8): sc-374260 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse PQBP-1 expression in PQBP-1 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

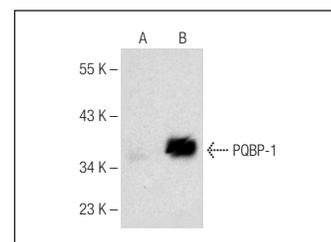
RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended:
 1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

DATA



PQBP-1 (B-9): sc-374260. Western blot analysis of PQBP-1 expression in non-transfected: sc-117752 (A) and mouse PQBP-1 transfected: sc-122739 (B) 293T whole cell lysates.



PQBP-1 (G-12): sc-376039. Western blot analysis of PQBP-1 expression in non-transfected: sc-117752 (A) and mouse PQBP-1 transfected: sc-122739 (B) 293T whole cell lysates.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.